

Sustainment Opportunities in Chemical/Biological Defense Program

Joe Wienand-RDECOM-ECBC-
Edgewood

Raymond Muskevalley- TACOM-
ILSC - Rock Island

Larry Light – RDECOM-ECBC-
Rock Island

AGENDA

- Overview of Sustainment Roles- Joe Wienand**
- Sustainment Opportunities – Raymond Muskevalley**
- Associated Industry Opportunities & Partnerships – Larry Light**

Sustainment Roles

JPEO-CBD
Life-cycle Responsibility

Acquire CBD Equipment

S
U
S
T
A
I
N

TACOM-
ILSC

Sustain
Warfighter
Readiness-
(Equipment,
Supplies, Parts
Manuals, etc)

INDUSTRY

RDECOM-
ECBC

ECBC

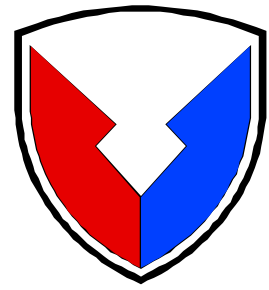


JPEO-CBD



SUSTAINMENT OPPORTUNITIES

- Equipment Procurements
- Spare & Repair Parts Procurements
- Special Item Procurements
- Industrial Base Programs
- Facilities Available for Use and Tech Transfer Initiatives



Chem./ Bio. Defense Product Support Integrated Directorate



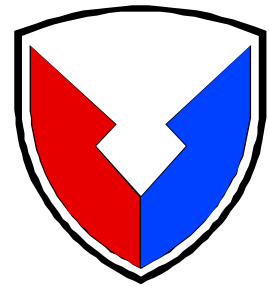
Sustainment Opportunities

**Satisfying
Warfighter Materiel
Readiness Needs in
the Most Efficient
Manner**

Presented by:

Mr. Ray Muskeyvalley

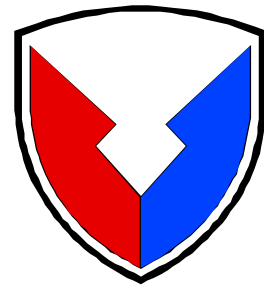
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OUTLINE



- ✓ Teaming Concept
- ✓ Business Initiatives
- ✓ Contracting Opportunities
 - End Items
 - Spare and Repair Parts



TEAMING CONCEPT

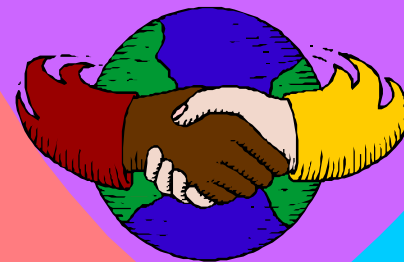


**Chemical /
Biological
Defense PSID***

*** Part of TACOM-SBC**

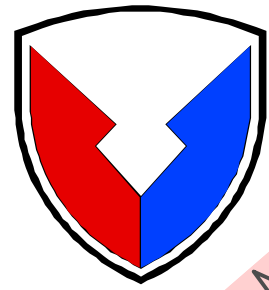
**Co-Located
Teams**

**Acquisition
Logistics
Sustainment
Readiness
Engineering**



**Edgewood
Chemical
Biological
Center*(ECBC)**

***Part of RDE Command**



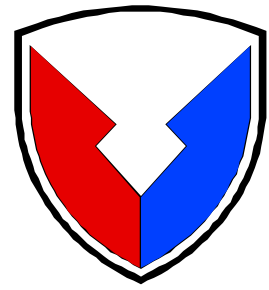
BUSINESS INITIATIVES



- Long-term Contracts, Consolidation & Multiple Awards
- Indefinite Delivery / Indefinite Qty
- Oral Presentations
- Direct Vendor Delivery

- Partnering Agreements
- Alpha Contracting
- Contractor Performance Certification Program (CP)²
- Trade-off Analysis
- Past Performance Consideration
- Electronic Data Interchange / Electronic Commerce
- Acquisition Support Program Initiatives (ASPI)

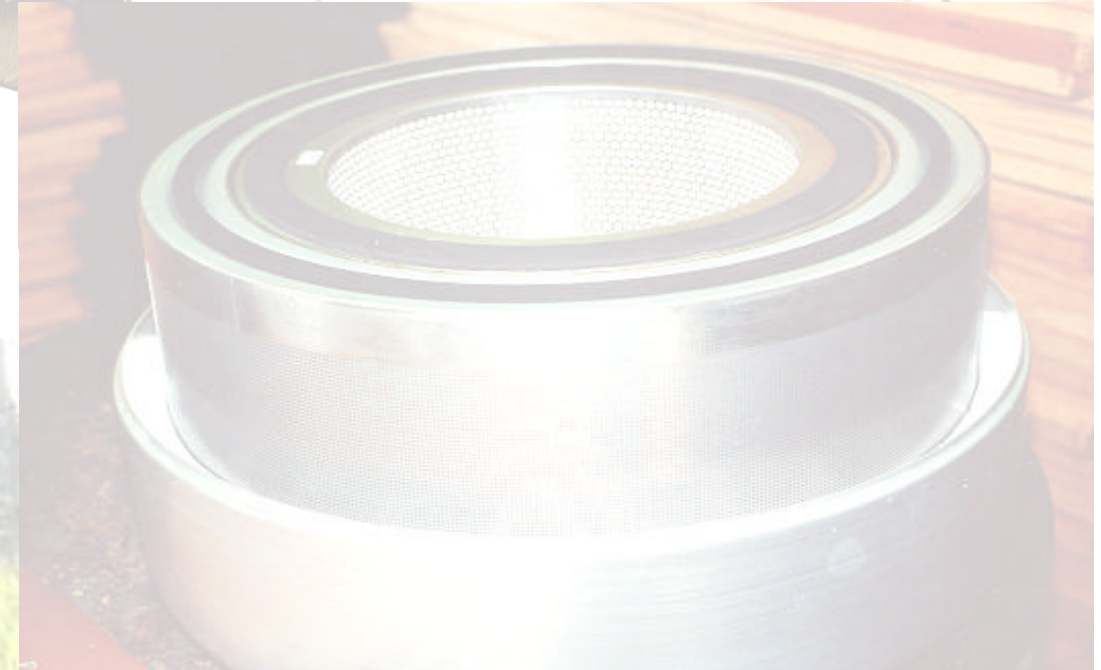
- Concurrent Production & First Article
- Testing Waivers
- Value Engineering Clause



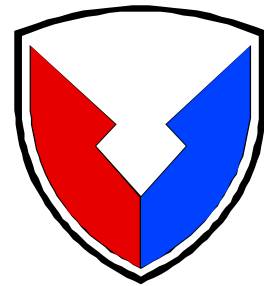
SPARE & REPAIR PARTS CONTRACTING OPPORTUNITIES



- ✓ ALARMS & DETECTORS
- ✓ COLLECTIVE PROTECTIVE EQUIPMENT
- ✓ FILTER ELEMENTS AND SETS
- ✓ PROTECTIVE MASKS
- ✓ DECONTAMINATION EQUIPMENT
- ✓ SMOKE GENERATORS



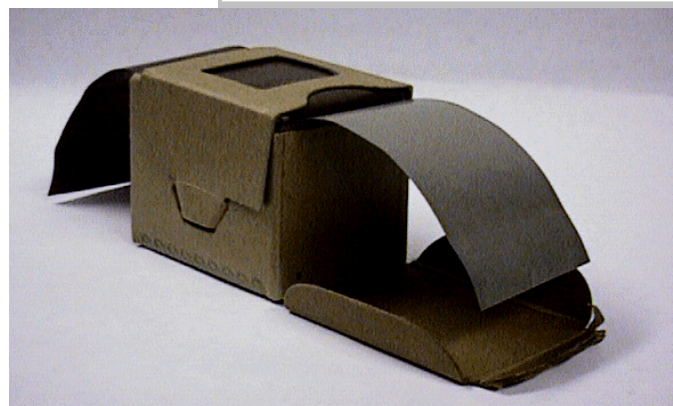
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ALARMS & DETECTORS



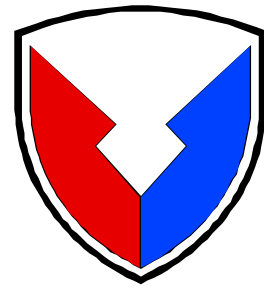
NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Detector Kit, Chem M18A3	6665-01-463-4278	31-Dec-04	\$386.37	YES	1,717
Detector Kit, Chem M256A1	6665-01-133-4964	31-Dec-04	\$32.37		154,711
Simulator, Detector M256A1	6665-01-293-2149	30-Sep-04	\$83.17	YES	20,241
Paper, Chemical Agent M9	6665-01-226-5589	30-Sep-04	\$3.72	YES	1,914,087
Sieve Pump, Assembly	6665-01-467-0911	30-Sep-05	\$65.45	YES	5,409
Paper, Chemical Agent M8	6665-00-050-8529	30-Sep-04	\$0.63	YES	3,178,422
Alarm Unit, Chemical	6665-00-859-2215	Apr-05	\$248.30	NO	24,362
Filtered Nozzle	6665-01-382-7084		TBD	YES	10,663
Confidence Sample	6665-01-382-7081		TBD	YES	7,885



•M9 PAPER

M8
DETECTION
PAPER





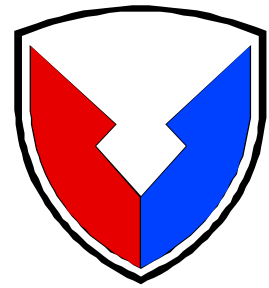
ALARMS & DETECTORS

CONT



NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Pump, Rotary	4320-01-382-3205	30-Sep-05	\$175.11	YES	697
Sign Kit	9905-01-346-4716	30-Sep-05	\$191.37	NO	18,263
Water Testing Kit	6665-01-134-0885	31-Dec-04	\$225.59	NO	8,133
Battery Assembly, Tng	6910-01-333-3631	30-Dec-08	\$53.01	UNK	3,459
Nozzle Assembly	6665-01-382-8555		\$31.60	YES	700
Sieve Pack Assembly	6665-01-380-1680	NA	NEW	YES	3,056
Housing, Monitor	6665-01-388-9712	30-Sep-06	\$582.41	YES	101
Module, Drift Tube	6665-01-383-6257	30-Sep-06	\$929.30	NO	2,795
Printed Circuit Board	5998-01-383-4219	30-Dec-06	\$536.65	NO	600

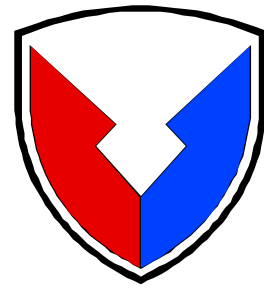
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COLLECTIVE PROTECTIVE EQUIPMENT



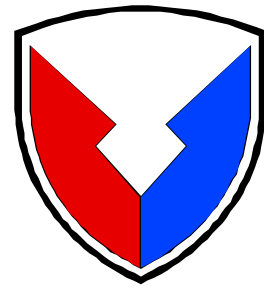
NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Room Liner Package	4240-01-331-0170	30-Nov-03	\$1,766.21	YES	275
Filter Unit, Gas Part M93	4240-01-231-6515	30-Jun-04	\$14,510.00	YES	552
HSFC	4240-01-366-6243	31-Dec-04	\$1,680.00	YES	0
M20A1	4240-01-330-7806	31-Dec-04	\$13,341.00	YES	431
Liner ISO/ISO	4240-01-491-8611	31-Dec-03	\$1,357.00	YES	444
Protective Entrance	4240-01-331-2938	31-Dec-04	\$3,712.98	YES	52
Re-Cir Filter Element	4240-01-332-2068	31-Dec-04	\$77.09	YES	707



FILTER ELEMENTS AND SETS



NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Headpiece, Gas	4240-00-763-2464	31-Dec-07	\$72.07	NO	2,431
Precleaner and Part	4240-01-026-3112	31-Dec-02	\$434.33	YES	6,171
Filter, Gas-Particulate M48A1	4240-01-363-1311	31-Dec-04	\$692.00	YES	44,436
Filter, Gas Particulate M12A2	4240-01-365-0981	31-Dec-08	\$128.00	YES	6,329
Filter, Gas M18A1	4240-01-365-0982	30-Sep-04	\$336.00	NO	30,349
M3 Heater	4240-00-807-6856	31-Dec-07	\$175.39	NO	15,170
Filter, Gas M13	4240-00-368-6291	31-Dec-08	\$70.00	YES	2,376
Filter Set, Gas Part 200CFM	4240-01-369-6533	31-Dec-04	\$802.00	YES	6,971
Filter Particular M19	4240-00-866-1825	31-Dec-08	\$64.22	YES	7,157
M2A2 Air Purifier	4240-00-868-7906	3-Sep	\$652.00	YES	2,354



PROTECTIVE MASKS

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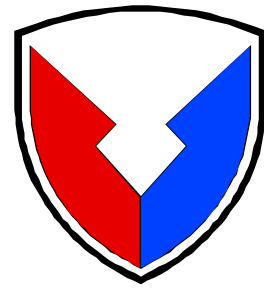


NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Detachable Hose	4720-01-515-9261	NA	NEW	NA/ NEW ITEM	38,600
Hood	4240-01-441-0553	Sep-04	\$33.82	NO	28,600
Hood	4240-01-376-3152	Sep-04	\$15.95	NO	0
Canister Carrier	4240-01-376-1382	Dec-04	\$22.69	YES	45,700
Drink Tube, Internal	4240-01-441-0557	Dec-06	\$2.95	YES	62,800
Second Skin, Small	4240-01-413-1540	Dec-06	\$13.80	YES	216,300
Second Skin, Med/Large	4240-01-413-1543	Dec-06	\$14.45	YES	509,000
Drink Tube, Internal	4240-01-260-8711	May-04	\$3.25	YES	106,000
Disk Valve, Nose Cup	4820-01-260-8703	NA	NEW	NA/NEW ITEM	147,469
Drink Tube Coupling	4240-01-462-0045	Oct-03	\$4.60	NO	31,675
Body Valve	4820-01-509-5498	Jan-04	\$1.03	NO	310,000
Cover Outlet Valve	4240-01-260-8699	Dec-06	\$4.65	YES	129,000
Inlet Disk Valve	4240-01-260-8710	Mar-04	\$1.80	YES	128,000
Post Deflector	4240-01-268-0392	Sep-08	\$1.28	NO	159,900
Coupling Assy	4730-01-392-2173	Dec-03	\$10.64	NO	26,435

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PROTECTIVE MASKS

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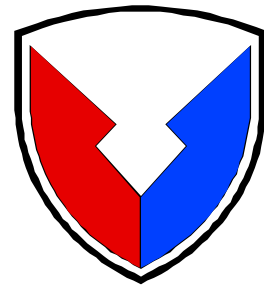


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Second Skin, Med/Large	4240-01-413-1543	Dec-06	\$14.45	YES	509,000
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Disk Valve, Nose Cup	4820-01-260-8703	NA	NEW	NA/NEW ITEM	147,469
Drink Tube Coupling	4240-01-462-0045	Oct-03	\$4.60	NO	31,675
Body Valve	4820-01-509-5498	Jan-04	\$1.03	NO	310,000
Cover Outlet Valve	4240-01-260-8699	Dec-06	\$4.65	YES	129,000
Inlet Disk Valve	4240-01-260-8710	Mar-04	\$1.80	YES	128,000
Post Deflector	4240-01-268-0392	Sep-08	\$1.28	NO	159,900
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4/15/2004

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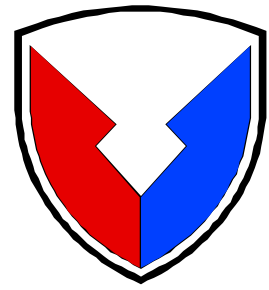
PROTECTIVE MASKS

CONT



NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Outlet Disk Valve	4820-01-502-7372	JUL 03	\$5.19	NO	135,900
Nose Cup Valve Seat	4240-01-496-2844	APR-01	\$22.20	NO	154,800
Drink Tube Internal	4820-01-441-0557	Dec-06	\$2.95	YES	77,200
Suit, ITAP Small	8415-01-463-7151	Sep-06	\$3,836.43	YES	200
Suit, ITAP Medium	8415-01-463-7150	Sep-06	\$3,836.43	YES	800
Suit, ITAP Large	8415-01-463-5829	Sep-06	\$3,836.43	YES	1,804
Suit, ITAP XLarge	8415-01-463-5830	Sep-06	\$3,836.43	YES	1,200
Splashood (ITAP)	8415-01-478-3517	NA	\$66.82	NO	2,000
Overvest, (ITAP)	8415-01-478-3518	NA	\$111.06	NO	2,000
Bag, Chem Protective	8465-01-513-8276	Sep-05	\$20.00	NO	3,639
CW Mask Kit	4240-01-464-1952	NA	\$764.48	YES	800
Ventilation Hose,CW Mask	4720-01-512-4438	NA	\$168.00	YES	800

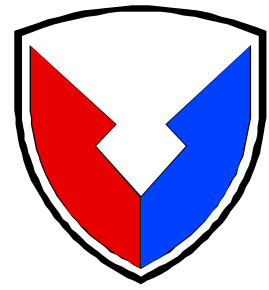
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DECONTAMINATION EQUIPMENT



NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Tie-down, Cargo, Vehicle	3990-01-204-3009	31-Dec-03	\$13.17	NO	350,643
Decontaminating Kit, M295	6850-01-357-8456	31-Dec-04	\$346.72	NO	106,000
Skin Decontaminating Kit, M291	6850-01-276-1905		\$124.07	NO	162,200
Box, Accessories Sto	1095-01-295-1825	30-Sep-04	\$572.40	YES	617
Water Inlet Assembly	4230-01-293-3353	5 YEARS	NEW ITEM	YES	343
Pump, Rotary	4320-01-288-6736	5 YEARS	NEW ITEM	YES	359
Hose Assembly, Nonme	4720-01-293-5465	30-Sep-04	\$345.00	YES	666
Hose Assembly, Nonme	4720-01-2935466	30-Sep-04	\$169.72	YES	825
Hose Assembly, Nonme	4720-01-293-5703	30-Sep-04	\$570.59	YES	678
Cleaning Gun, Water	4940-00-295-8134	30-Sep-04	\$110.20	YES	1,801

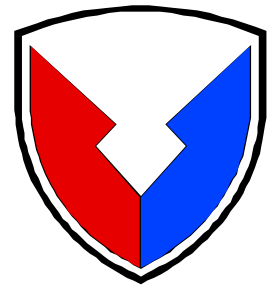


DECONTAMINATION EQUIPMENT

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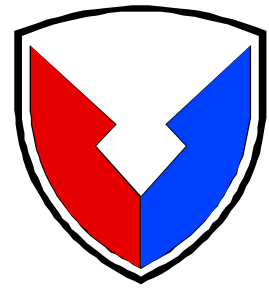
NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Heater Coil Assembly	4230-01-171-2542	5 YEARS	NEW ITEM	NO	104
Igniter Assembly	4230-01-200-8002	5 YEARS	NEW ITEM	NO	1,580
Electronic Component	5998-01-292-9347	3 YEARS	NEW ITEM	NO	1,680
Manometer, Panel	6685-01-175-0864	3 YEARS	NEW ITEM	NO	828
Manometer, Capillary	6685-01-292-5248	5 YEARS	NEW ITEM	NO	399
Air Cleaner, Intake	2940-01-217-9696	5 YEARS	NEW ITEM	NO	1,921
Shower Assembly	4230-01-171-0900	3 YEARS	NEW ITEM	NO	1,641
Pump, Centrifugal	4320-00-821-1765	3 YEARS	NEW ITEM	NO	200
Nozzle, Spray, Fluid	4730-00-816-5589	5 YEARS	NEW ITEM	NO	765



SMOKE GENERATORS



NOMENCLATURE	NSN	WHEN LONG TERM CONTRACT EXPIRES	CURRENT UNIT PRICE	CAN THIS ITEM BE CONSOLIDATED ?	CUM FY05-FY08
Motor Assembly	1040-01-224-7787	31-Dec-05	\$784.00	NO	324
Fog Oil Pump	2910-01-254-5181	31-Dec-03	\$1,636.45	NO	283
Thermo Switch	5930-01-442-5092	02-Apr-02	\$378.38	NO	334
Thermo Switch	5930-01-221-9466	21-Dec-03	\$362.86	NO	440
M6 Discharger	1040-01-383-4114	31-Dec-06	\$691.67	NO	14,800
Heating Element	4520-01-465-2617	21-Sep-02	\$196.00	NO	250
* denotes next LONG TERM buy					



POINTS OF CONTACT



- **Ms. Lynn De Roche**
Executive for Contracting TACOM-RI
(309) 782-3233
derochel@ria.army.mil
- **Mr. Kevin Sommer**
Contracting Operations Group Leader
(309) 782-2706
sommerk@ria.army.mil
- **Ms. Joyce Klein/Ms. Margie Tuftee**
Chemical Acquisition Team Leaders
(309) 782-5051/7163
kleinj@ria.army.mil/tufteem@ria.army.mil
- **Mr. Larry Negaard**
Small Business Office
(309) 782-6709
negaardl@ria.army.mil
- **Mr. Raymond Muskeyvalley**
Director, Chem./Bio Defense PSID
(309) 782-2357
muskeyvalleyr@ria.army.mil
- **Ms. Cynthia Phillips**
Chief, Edgewood Branch
(410) 436-2554
cynthia.phillips@sbccom.apgea.army.mil
- **TACOM – SBC Home Page**
<http://www.natick.army.mil>
- **TACOM-RI Home Page**
<http://www-tacom.ria.army.mil/>
- **Business Opportunities**
<http://aais.ria.army.mil/>

Advanced Planning Briefing to Industry

EDGEWOOD CHEMICAL BIOLOGICAL CENTER

ROCK ISLAND, ILLINOIS

**U.S. RESEARCH, DEVELOPMENT & ENGINEERING COMMAND
RDECOM**

Site Manager: Mr. Larry J. Light

Commercial: (309) 782-2103

DSN: 793-2103

FAX: (309) 782-0002

lightl@ria.army.mil

ECBC



JPEO-CBD



Special Equipment Opportunities for Industry

Yearly Estimated Expenditure is \$700K - \$800K

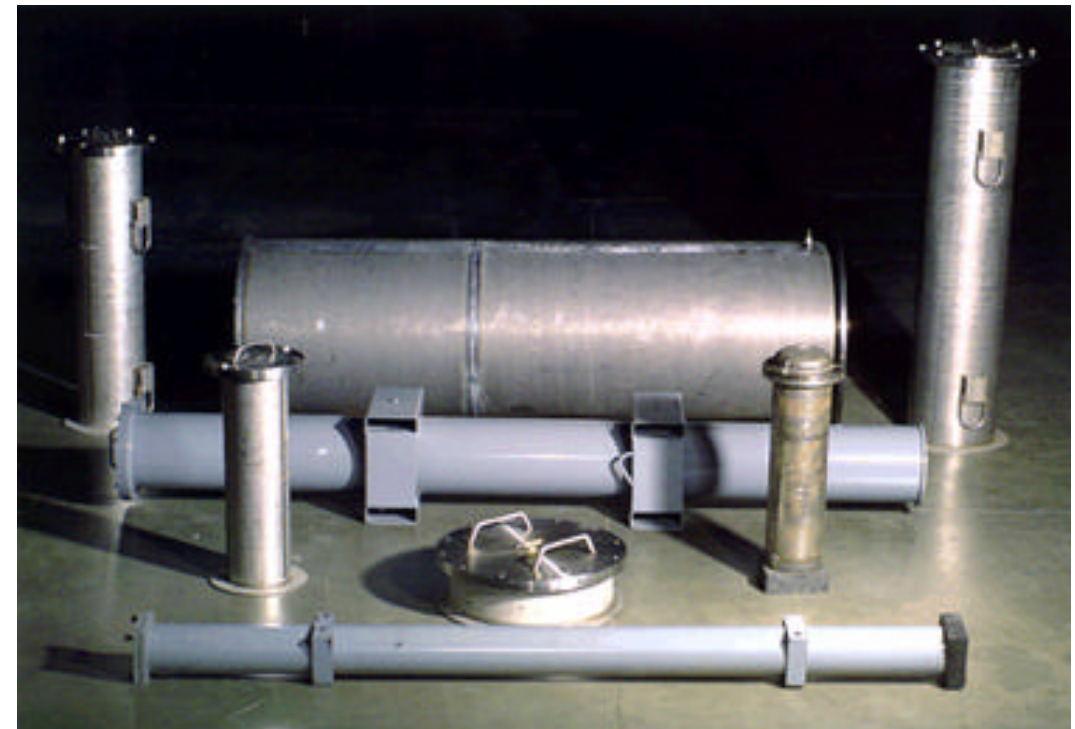
Requirement - *Manufacturing and testing of Multiple and Single Round Containers that encapsulate Recovered Chemical Warfare Materials*

Commercial Contracts:

- *Container Tubes*
- *Container Flanges*
- *Testing Samples*

Other Purchases:

- *O-Rings*
- *Container Hardware*
- *Assembly*



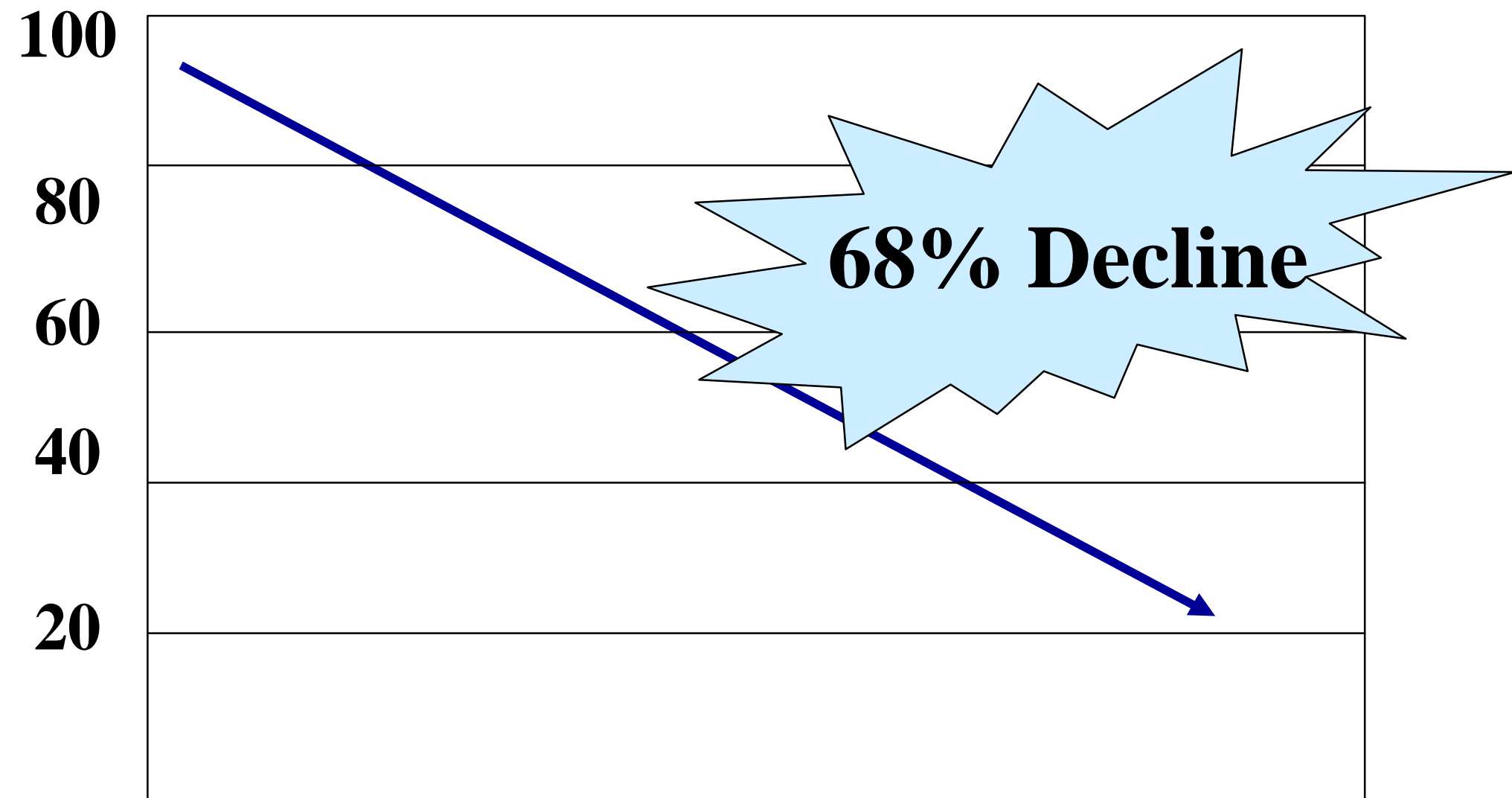
Industrial Base Program

Dependency on Foreign Countries

“The U.S. industrial base is eroding, and this situation has enormous national security implications. It has made the United States so dependent on foreign countries for critical components and systems that it may have lost its ability to control its supply chains”

Industrial Base Program

Decline in U.S. Orders



Post-Cold War Era

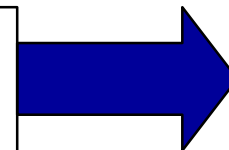
Industrial Base Program

Building the Base

GOAL - Expand the Industrial Base to Meet Wartime Requirements

THRU -

- Increased funding to build base
- Mitigating single sources of supply
- Reducing reliance on foreign sources
- Systems engineering – Design/Configuration
- Capitalize on technology enhancements
- Promoting industry stability
- Maintaining government R&D investment
- Solving obsolescence



DMSMS

Industrial Base Program

The Army DMSMS Program

DMSMS - *Diminishing Manufacturing Sources and Material Shortages*

GOAL – *A comprehensive program that supports the efficient and effective resolution of:*

- *Obsolescence*
- *Non-Availability*
- *Single Source Issues*

DATABASE – *Obsolescence, non-availability & single source issues will be documented*

Industrial Base Program

Coordination with Industry

- DMSMS information will be available through the Government Industry Data Exchange Program (GIDEP)
- Will provide targeted procurement requirements
- The items required include:
 - Specialty Chemicals
 - Materials
 - Parts & Components
 - Assemblies
 - End Items

Industrial Base Program

GIDEP Membership

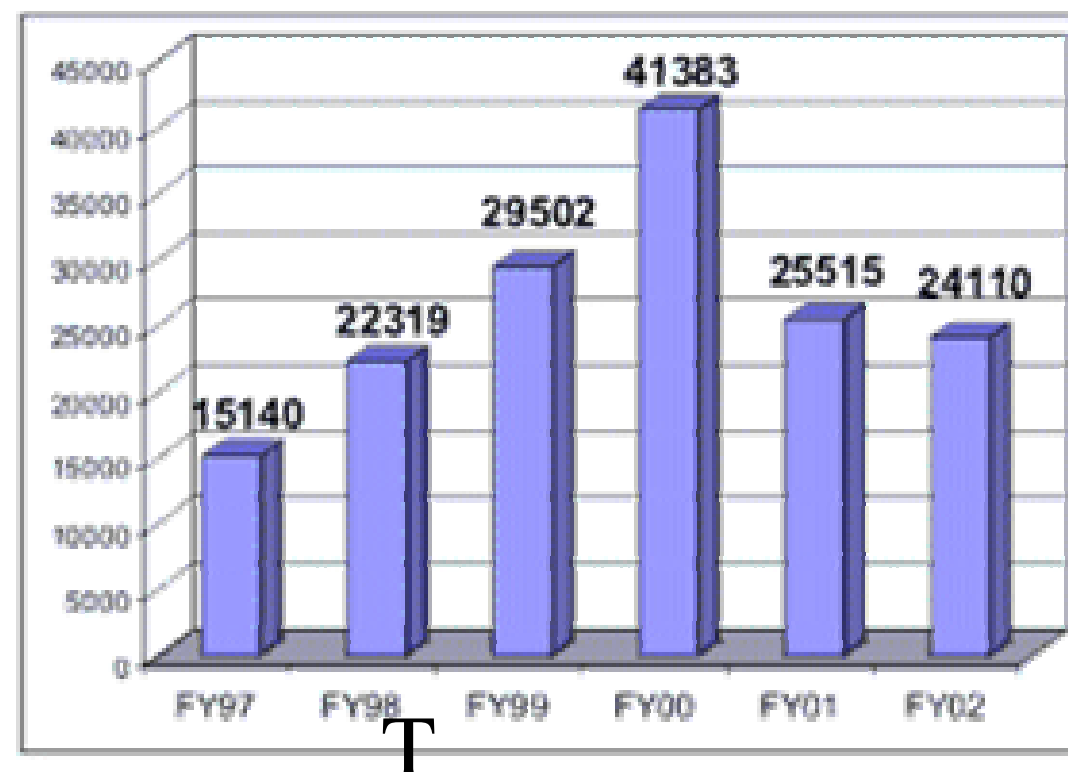
- Any industrial organization or government activity that supplies or acquires supplies for the U.S. Government or Canadian Department of Defence.
- Participants are not subject to any fees or assessments. Must appoint a GIDEP Representative. Submit a Utilization Report annually.
- Submit application to join on-line at www.gidep.org or call (909) 273-4677.

Industrial Base Program

GIDEP/DMSMS

Obsolescence  Opportunities

Approx. 1,300 records of DMSMS notices
Mostly electronic issues.



Total DMSMS parts

Technology Transfer

- 1. Ability to Utilize Unique Facilities for Testing**
- 2. Ability to Partner on Cooperative Research & Development**

Points of Contact:

ECBC Business Development Team

(410) 436-4438

Technology Transfer

Key Mechanisms:

CRADA– Cooperative Research & Development Agreement

- Federal labs may accept, retain, and use funds, personnel, services, and property from a collaborating party and provide personnel, services, and property to a collaborating party
- Property may include intellectual property, equipment and material
- Services may include the full spectrum of RDT&E support

TSA- Test Service Agreement

- Federal labs are authorized, for an appropriate fee, to test materials, equipment, models, computer software, and other items for any person or entity.

P

ECBC S&T Infrastructure



McNamara Life Sciences Lab

Inhalation toxicology
BL3
Decon research



Berger Complex

BL2 Laboratories
CAD/CAE
Filtration Media Challenge Labs
Biodetection Labs

- **Chemical Agent and Biological Agent Handling Facilities and Equipment Available**

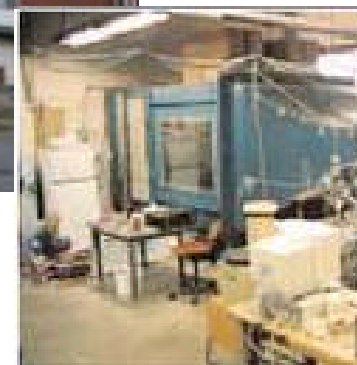


Bio Process Engineering Facility

Critical Reagents Program Repository
American Type Culture Collection
Biotechnology Production up to 1000 liters



Aerosol Test Facilities



Forensics Analysis Center

- OPCW Treaty Laboratory
- Chemical Forensics Lab

Technical Support for NIOSH/NIST

ECBC provides technical and testing support to the National Institute of Standards and Technology (NIST) and National Institute of Occupational Safety and Health (NIOSH)

Chemical Point Detectors

- Draft standard expected early 2003.

Respirator Standards Efforts

- Self-Contained Breathing Apparatus (SCBA) standard completed in 2001
- Air Purifying Respirator standard expected in early 2003
- Escape Hood standard expected in late 2003
- GB and HD Agent and Laboratory Respirator Protection Level (similar to PF) certification testing currently performed by ECBC for SCBAs.

Personnel Protective Equipment (Suits/Ensembles) Standards

- Working with National Fire Protection Association to update their 1994 Standard, Protective Ensemble for Chemical/Biological Terrorism Incidents. In accordance with the NFPA revision cycle the draft standard will be available June 2003.



Joe Wienand joseph.wienand@us.army.mil

Com(410)436-5600/5606

Raymond Muskevalley

muskeyvalleyr@ria.army.mil

Com (309)782-2357

Larry Light – Lightl@ria.army.mil

Com (309)782-2103

CONCLUSION